



2019 COMMUNITY HEALTH ASSESSMENT

Northampton County Health Department
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Executive Summary

1.1 - 10.a

Community Health Assessments are conducted every four years. Northampton's most recent Community Health Assessment was conducted in 2015. A Community Health Assessment is a source of information utilized by Local Health Departments to plan and deliver services. As a result of collecting and analyzing data from The Community Health Opinion Survey, the needs and concerns of Northampton's citizens will be uncovered.

The survey asks questions in seven different areas.

- Quality of Life
- Community Improvement
- Health Information
- Personal Health
- Access to Care/Family Health
- Emergency Preparedness
- Demographic Information

Several questions were selected from each area.

Primary data is information collected from the Community Health Opinion Survey. This information is the eyes of the citizens and reflects issues that they feel are impacting their health and their communities. The data from the survey is compared to secondary and trend data to determine health priorities to address over the next 3 – 10 years. The secondary data that is used is collected by the State Center for Health Statistics. Secondary data drives the selection of health priorities. The trend data is collected by North Carolina Health and Human Services. The trend data shows patterns in health issues that are impacting Northampton's citizens.

I. Vision Statement

The vision for Northampton County Health Department and Northampton Healthy Carolinians Task Force over the next ten years is to improve the quality of life for its citizens by offering efficient, culturally sensitive and cost-effective health care services and programs that will enrich and improve the lives of the citizens and promote a higher standard of life, through prevention and intervention in personal health.

II. Leadership

Northampton Healthy Carolinians Task Force is dedicated to improving the life of Northampton's citizens by addressing health and safety issues at the community level. Northampton County Health Department has a mission to promote, provide and protect the

health and safety of the citizens of Northampton County. Under the cross sectoral leadership of these entities, Northampton County conducted the 2019 Community Health Assessment.

III. Partnerships/Collaborations

10.a

Partnership	Number of Partners
Northampton County Health Department	3
Smart Start	2
Halifax Regional Medical Center	1
Rural Health Group	2
North Carolina Cooperative Extension	3
Northampton County Public School Systems	3
J W Faison Senior Center	1
Northampton County Cultural and Wellness Center	2
Northampton County Chamber of Commerce	1
Northampton County Faith Communities	10
Northampton County Child Care Centers	4
Northampton County Townships	9
Choanoke Area Development Association	2
Northampton County Office on Aging	1
Roanoke Chowan News Herald	1
Lake Gaston Gazette	1
Northampton County Library System	2
Community Senior Enrichment Program of Severn	1
Roanoke Chowan Public Housing Authority	3

IV. Regional Contracted Services

None

V. Theoretical framework/model

The Community Tool Box

VI. Evidence of Collaboration

1.1g

August 2018

- Updated survey to include questions on E-Cigarettes knowledge and use.
- Entered information from the survey into the Survey Monkey Tool.

September 2018

- Northampton Healthy Carolinians Task Force met and discussed updates to the survey and the tool that will be used for analysis.
- October 1, 2018 was designated as the date to begin distribution of surveys in the community. It is also the date Survey Monkey will be launched.

September 2019

- Sent an article to Lake Gaston Gazette to announce Northampton County will conduct a Community Health Assessment. The article included information on how often an assessment is conducted, why community health assessments are conducted, why the assessment is important to the health department, the time needed to complete the survey, availability of the survey in the community and the web link to the survey.

October 2019

- Sent an article to Lake Gaston Gazette to announce Northampton County will conduct a Community Health Assessment. The article included information on how often an assessment is conducted, why community health assessments are conducted, why the assessment is important to the health department, the time needed to complete the survey, availability of the survey in the community and the web link to the survey.

October 2018

Northampton Healthy Carolinians Task Force met and discussed:

- Selecting health priorities in December 2018.

The Task Force was also educated on the criteria for selecting health priorities.

- **Magnitude of Problem** - How many persons does the problem affect?
- **Seriousness of the Consequences of the Problem** - What degree of disability or premature death occurs because of the problem. What are the social or economic burdens to the community?
- **Feasibility of Correcting the Problem** - Is the problem amendable through intervention? What knowledge or resources are necessary to effect change? Is it preventable?
- Two Priorities will be selected:

1st priority will be a 1 – 3-year initiative

2nd priority will be a 5 – 10-year initiative

- Priorities will use evidence-based interventions that address behaviors, physical environments, social and economic factors and clinical care.

- Information was provided on the (Community Health Improvement Plan) which is the tool that will guide the efforts to address the selected priorities.

November 2018

Northampton Healthy Carolinians Task force met.

- Updates were provided on the surveys that have been collected. The data revealed more male participation is needed.

January 2019

- Closed collector on survey monkey and stopped collecting surveys in the community.

Northampton Health Carolinians Task Force met.

- Conducted a PowerPoint on information collected from the United States Census Bureau on Northampton's population estimates, education levels, health insurance coverage, persons in poverty and racial makeup. Also included information on local resources, and the leading causes of death in Northampton County. The information on the leading causes of death in Northampton County was compared to the survey question – "Have you ever been told by a health professional that you have:" Asthma, Cancer, Depress/Anxiety, Angina/Heart Disease, Diabetes, High Blood Pressure, High Cholesterol, Osteoporosis or Overweight/Obesity.

The Task Force was asked to utilize criteria for selecting health priorities to determine the health priorities Northampton County Health Department and Northampton Healthy Carolinians Task Force can positively impact over the next three – ten years.

After selecting the health priorities an article was sent to the Roanoke Chowan News Herald announcing Northampton's health priorities have been selected.

February 2019

- Submitted Northampton County 2018 Community Health Assessment

VII. Key Findings

1.1b

The July 1, 2018 United States Census Bureau population indicates Northampton County's population has decreased 10.1%, with 51.4% of the population being female, 57.7% African American and 25.2% are 65 years or older. The poverty rate for the county is 24.3%, with 16.4% under age 65 having a disability.

North Carolina Department of Commerce indicates Northampton County had an increase in unemployment from 4.2% in November 2018 to 4.9% in December 2018. An increase of 0.7%.

1.1c

The Community Health Opinion Survey for Northampton indicates low income/poverty as a Community Improvement that most affects the quality of life in Northampton County with a response of 59.02%. The services that need the most improvement in Northampton County are availability of employment at 14.49% and higher paying employment at 15.89%. The United States Census indicates in 2013 – 2017 that 78.1% of Northampton's residents 25 years or older have a high school education or higher. Those 25 years and older with a bachelor's degree or higher is 12.8% of the population.

The Health Opinion Survey indicates 20.99% of respondents have a high school diploma or GED/equivalent. According the 2018 Health Opinion Survey Northampton has a population of 11.35% whose house hold income is less than \$10,000 a year.

In general, 45.54% of Northampton residents think their overall health is good. The top three findings for health issues are High Blood Pressure at 66.06%, Obesity/overweight at 53.70% and High Cholesterol at 44.25%. The Health Behavior that people in the community need more information about is going to the doctor for yearly checkups 23.22%, substance abuse prevention is 10.90% and healthy life styles is 10.43%.

1.1h

Interestingly, 29.33% indicted they have been told by a health professional that they have depression or anxiety. Depression and anxiety can influence behaviors that impact blood pressure, cholesterol and obesity. African Americans and Females are the majority populations in the county, thus making depression or anxiety an impact on the top three health issues affecting these households.

1.1i – 10.a

The number of existing health care providers in Northampton County as of 2017 are:

- Physicians
- Physicians/10,000 population 1.9
- RN's/10,000 population 32.8
- Dentists/10,000 population 1.9
- Pharmacists/10,000 2.9

With Northampton County having a population of 19,892 as of July 1, 2017 and 1.9 physicians and dentists to service a population of 10,000, Northampton County is in need of more mid-level providers.

VIII. Health Priorities

1.1k

- Overweight/Obesity
- Heart Disease

Heart disease can be caused by unhealthy life styles including lack of physical activity. The results from Northampton 2018 Community Health Opinion survey indicates 66.06% of respondents have been told they have high blood pressure with 53.70% being overweight/obese and 44.25% having high cholesterol. Being overweight or obese increases the risk of developing health issues such as heart disease.

IX. Next Steps

- Present the findings of the Community Health Assessment to the community
- Develop strategies to impact health priorities
- Identify partners to assist in impacting priorities

10.a Community Health Problems

Have you ever been told by a health professional that you have:

Rank	Health Problem	Rate
1	High Blood Pressure	60.66%
2	Overweight/Obesity	53.70%
3	High Cholesterol	44.25%
4	Depression/Anxiety	29.33%
5	Diabetes	25.75%
6	Osteoporosis or Arthritis	23.87%
7	Asthma	20.25%
8	Angina/Heart Disease	10.83%
9	Cancer	9.68%

Source: North 2018 Community Health Opinion Survey

High Blood Pressure ranks 1st for health problems affecting Northampton's citizens. Some of the factors that contribute to high blood pressure are age, unhealthy life styles like tobacco use and alcohol consumption, poor diet, physical inactivity and stress.

Overweight/obesity ranks 2nd as a health problem affecting Northampton's citizens. Overweight/obesity can be caused by physical inactivity, poor food choices due to the unavailability of healthy food options, medication, stress and age.

High Cholesterol ranks 3rd. High cholesterol can be caused by diets high in fats like red meat, dairy products, and baked goods.

Depression is ranked 4th. There are many contributing factors for depression such as genetics, gender and age. Other contributing factors can be medication, stressful circumstances and events.

Diabetes ranks 5th. Diabetes can be caused by factors such as genetics and age as well as environmental factors like overweight/obesity and high cholesterol.

Osteoporosis or arthritis is the 6th health problem affecting Northampton's citizens. Unhealthy life styles like tobacco use and alcohol consumption are factors for developing Osteoporosis or Arthritis as well as age, gender and family medical history.

Asthma is the 7th health problem affecting Northampton's citizens. Asthma is caused by triggers like exposure to tobacco smoke.

Angina/Heart Disease ranks 8th as a health problem in Northampton County. Elevated blood pressure and cholesterol are factors that contribute to angina/heart disease. Lifestyle is also a factor.

Cancer ranks 9th as a health problem affecting Northampton's residents. Factors that can contribute to causing cancer are poor diet, lack of physical activity, alcohol and tobacco use.

The most controllable and common denominator for the nine health problems affecting Northampton's residents is LIFESTYLE.

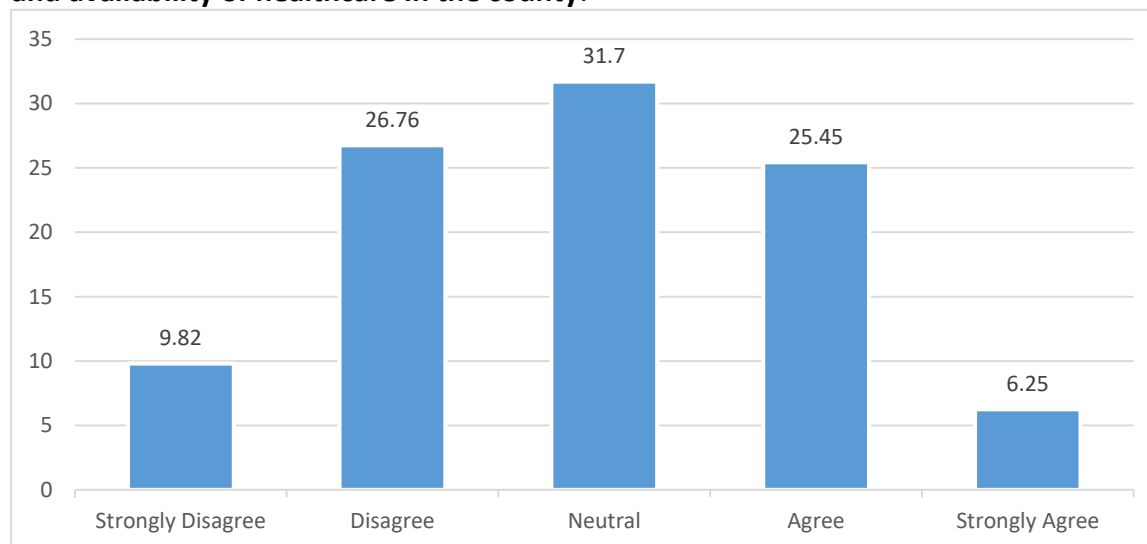
Appendix A - Primary Data 1.1e, 10.1

Source: 2018 Community Health Opinion Survey



Quality of Life Statements

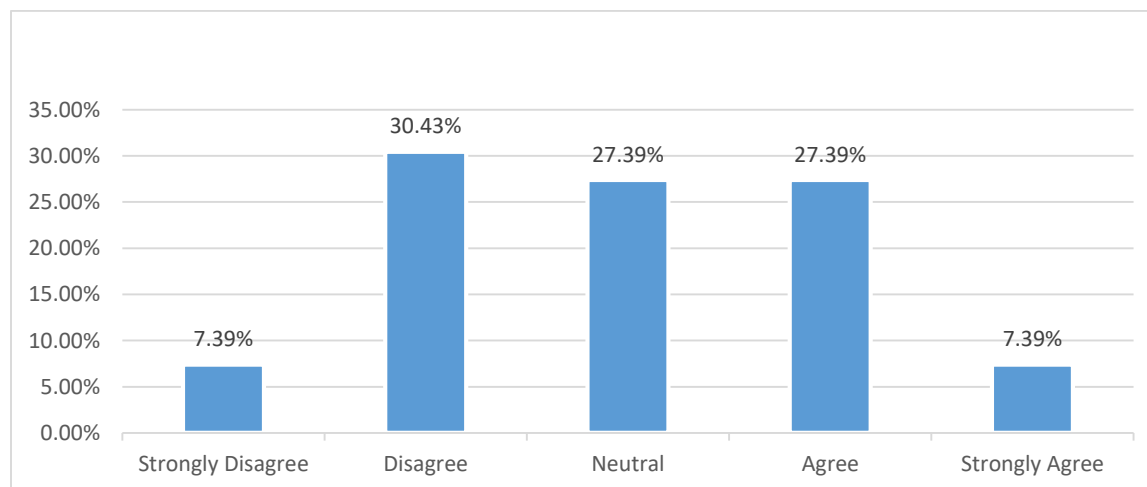
“There is good health care in Northampton County. Consider the cost and quality of options and availability of healthcare in the county.”



Source: Northampton County 2018 Community Health Opinion Survey

The majority of citizens in Northampton were neutral at 31.7% in their response to the Quality of Life Statement, “There is Good Health Care in Northampton County.” Those in disagreement were 26.76%, strongly disagree 9.82%, agree 25.45%, strongly agree is 6.25%.

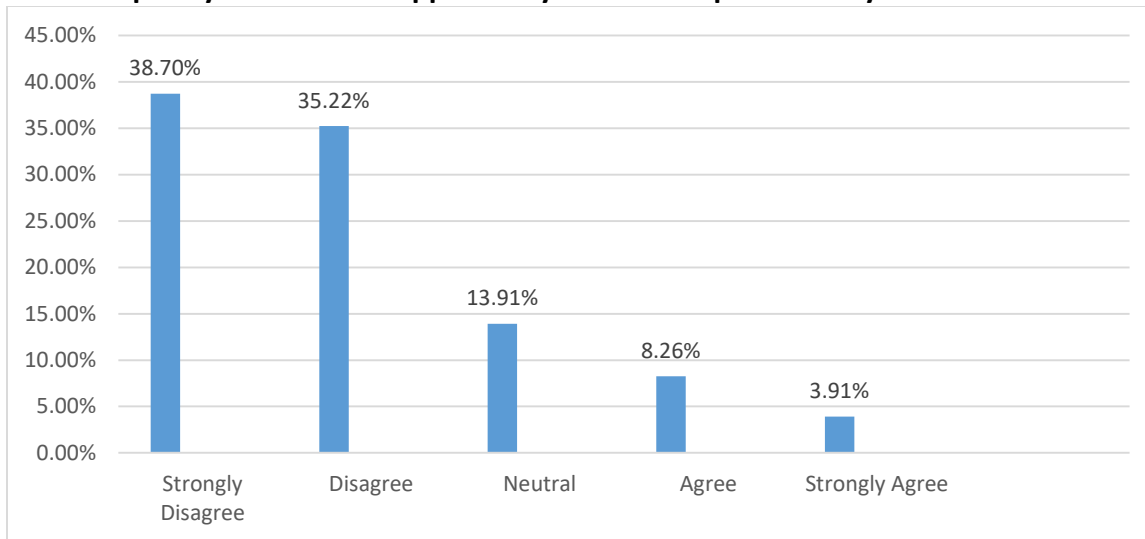
“Northampton County is a good place to raise children.”



Source: Northampton County 2018 Community Health Opinion Survey

Northampton’s citizens disagree at 30.43% on the Quality of Life Statement “Northampton is a good place to raise kids.” Other responses to the statement, strongly disagree 7.39%, strongly agree is 7.39%, agree is 27.39%. and neutral is 27.39%.

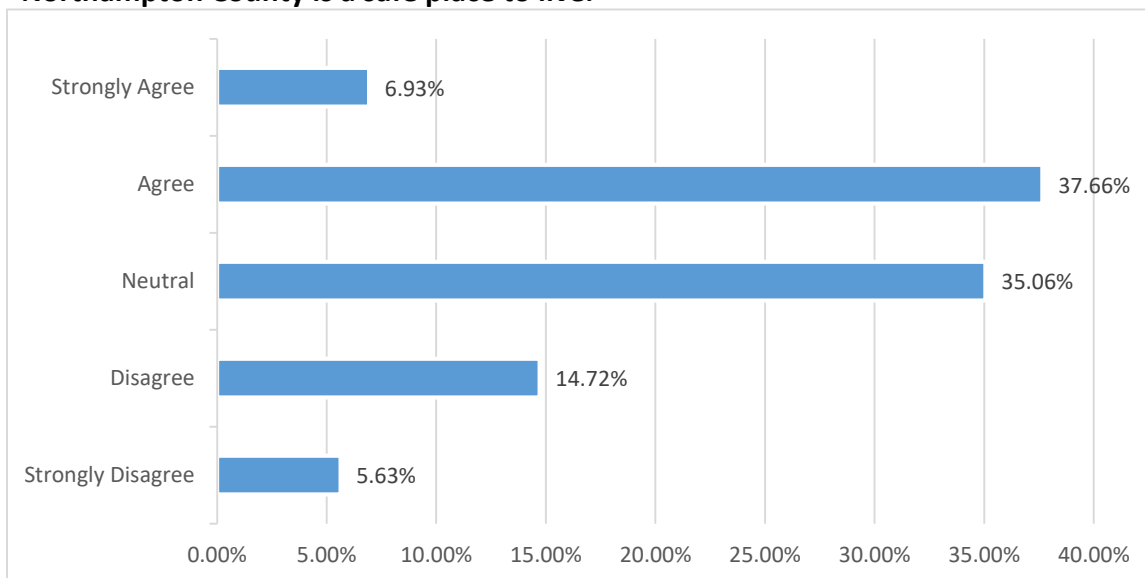
“There is plenty of economic opportunity in Northampton County.”



Source: Northampton County 2018 Community Health Opinion Survey

“There is plenty of economic opportunity” Quality of Life Statement indicates 38.70% of the population strongly disagrees with this statement. Those that disagree is 35.22%, neutral is 13.91% agree is 8.26% and strongly agree is 3.91%.

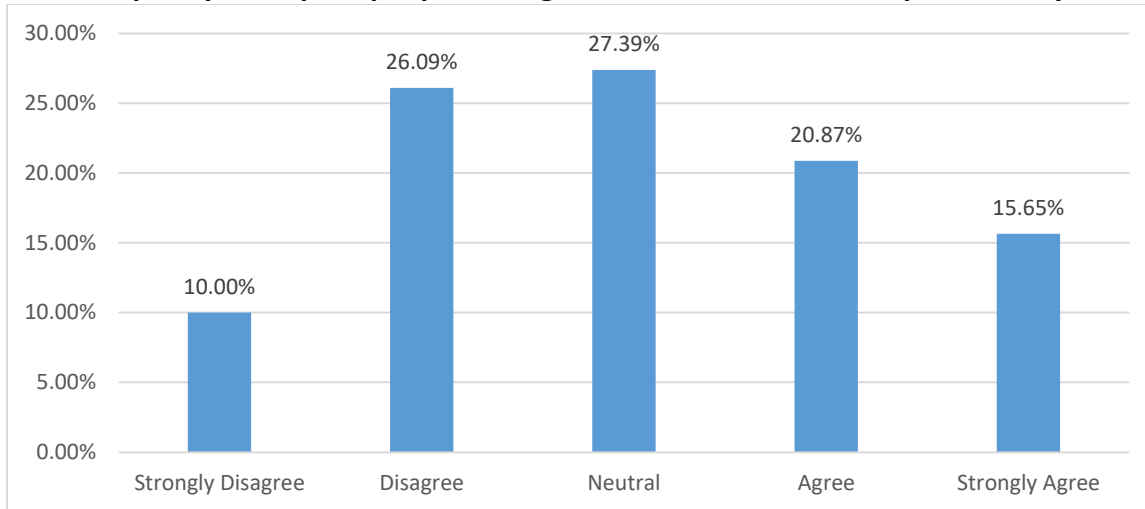
“Northampton County is a safe place to live.”



Source: Northampton County 2018 Community Health Opinion Survey

The majority of respondents, 37.66% agree the statement “Northampton is a safe place to live.” Other responses were strongly agreeing 6.93%, neutral 35.06% disagree 14.72% and strongly disagree 5.63%.

“There is plenty of help for people during times of need in Northampton County.”

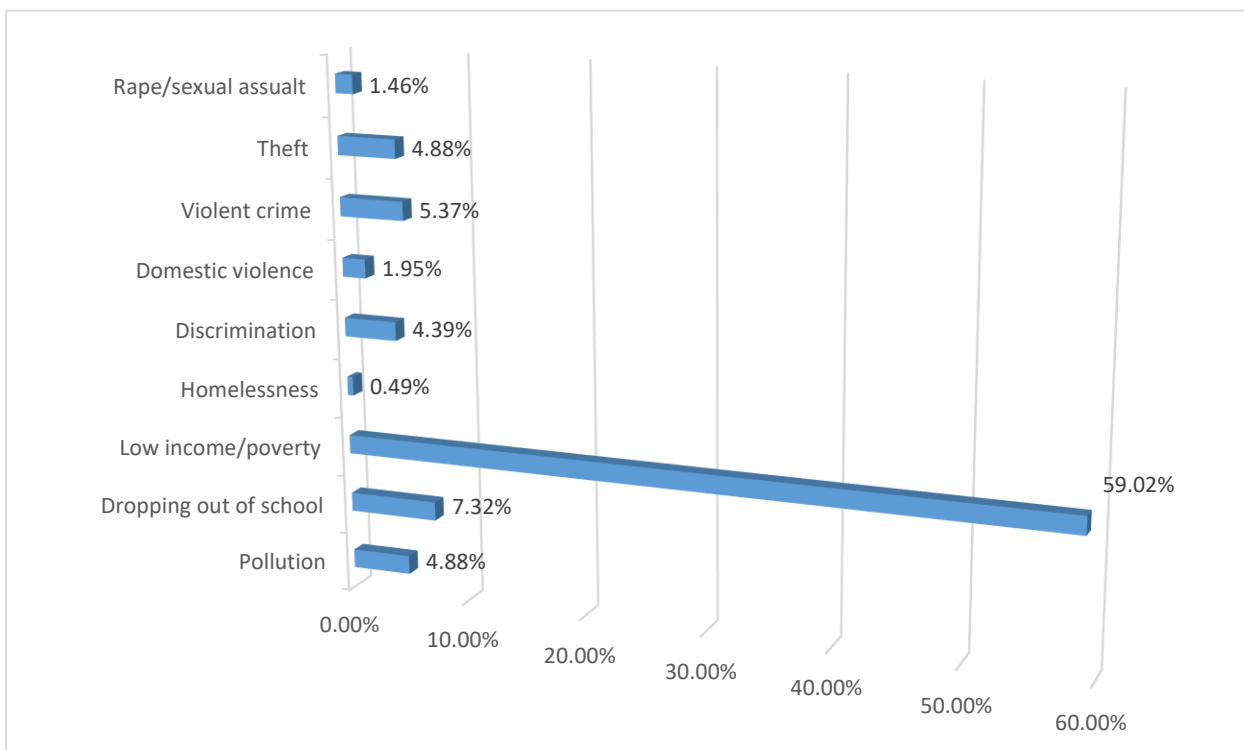


Source: Northampton County 2018 Community Health Opinion Survey

Most respondents were neutral at 27.39% on the Quality of Life Statement, “There is plenty of help for people during times of need in Northampton County. Those who disagree 26.09%, agree 20.87%, strongly agree 15.65% and strongly disagree 10.00%.

Community Improvement

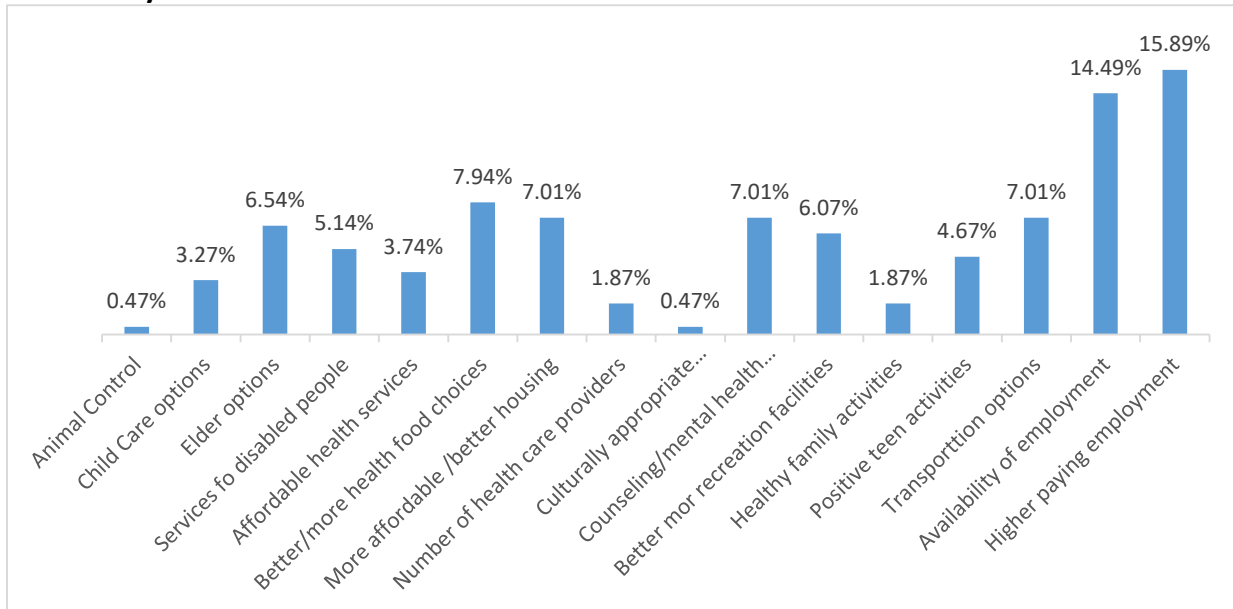
In your opinion which one issue most affects the quality of life in Northampton County?



Source: Northampton County 2018 Community Health Opinion Survey

The community issue that needs the most improvement in Northampton County is low income and poverty with a response of 59.02%. Dropping out of school is 7.32%, violent crime is 5.37% and theft and pollution 4.88%.

In your opinion which one service needs the most improvement in your neighborhood or community?

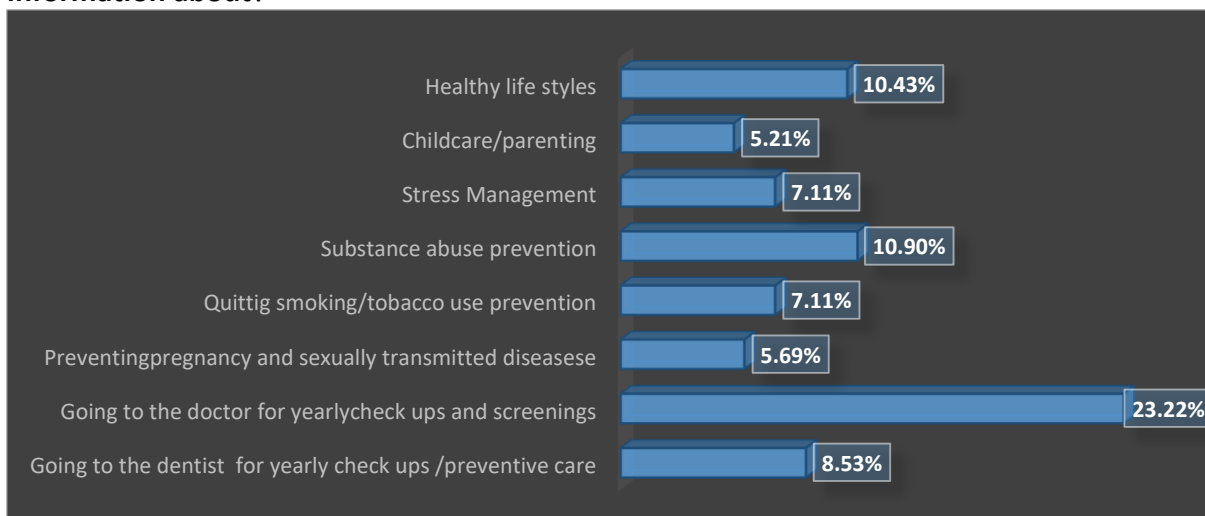


Source: Northampton County 2018 Community Health Opinion Survey

Higher paying employment at 15.89% and availability of employment at 14.49% are the leading issues neighborhoods and communities need the most improvement in. Better/more health food choices at 7.94% and more affordable housing and transportation at 7.01%.

Health Information

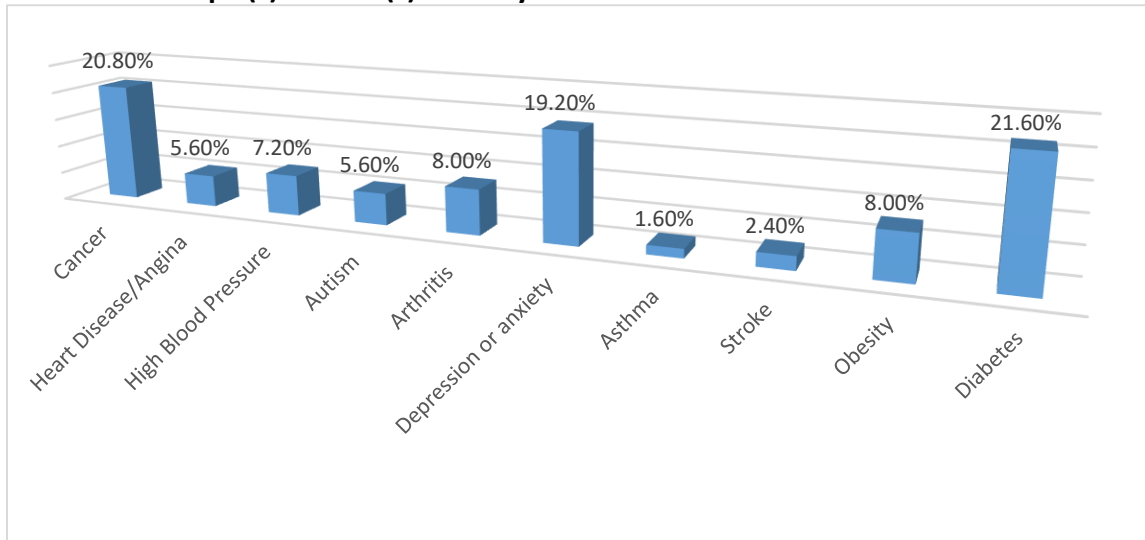
In your opinion which one health behavior do people in your own community needs more information about?



Source: Northampton County 2018 Community Health Opinion Survey

The opinion of 23.22% of Northampton's citizens indicated going to the doctor for yearly checkups and screening are the health behaviors that the community needs more information on, followed by substance abuse at 10.90% and healthy life styles at 10.34%.

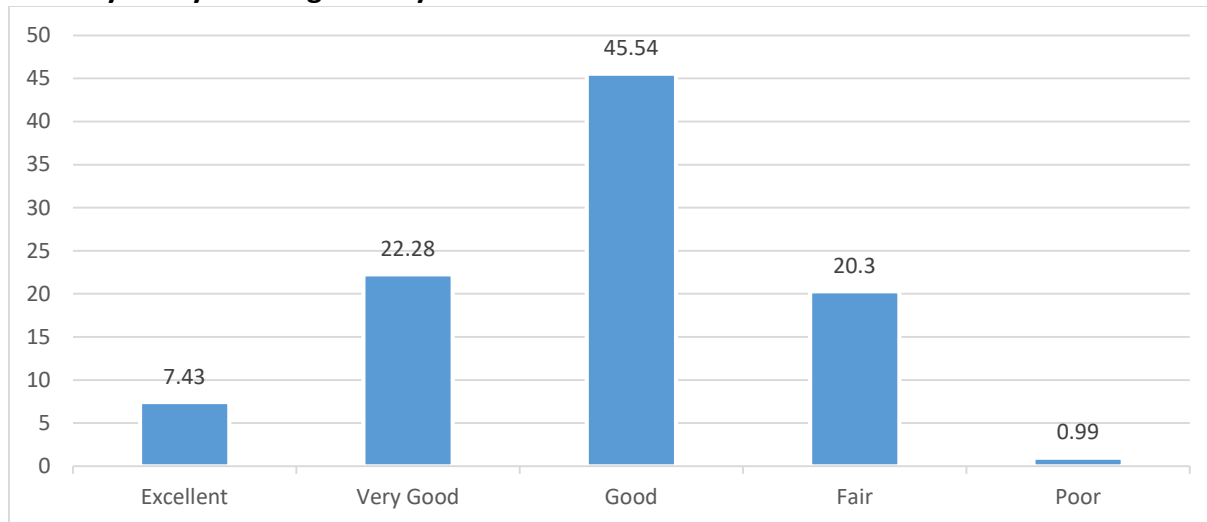
What health topic(s) disease(s) would you like to learn more about?



Source: Northampton County 2018 Community Health Opinion Survey

Diabetes 21.60% is a health topic Northampton citizens would like to learn more about followed by cancer at 20.80% with Depression/Anxiety at 19.20%.

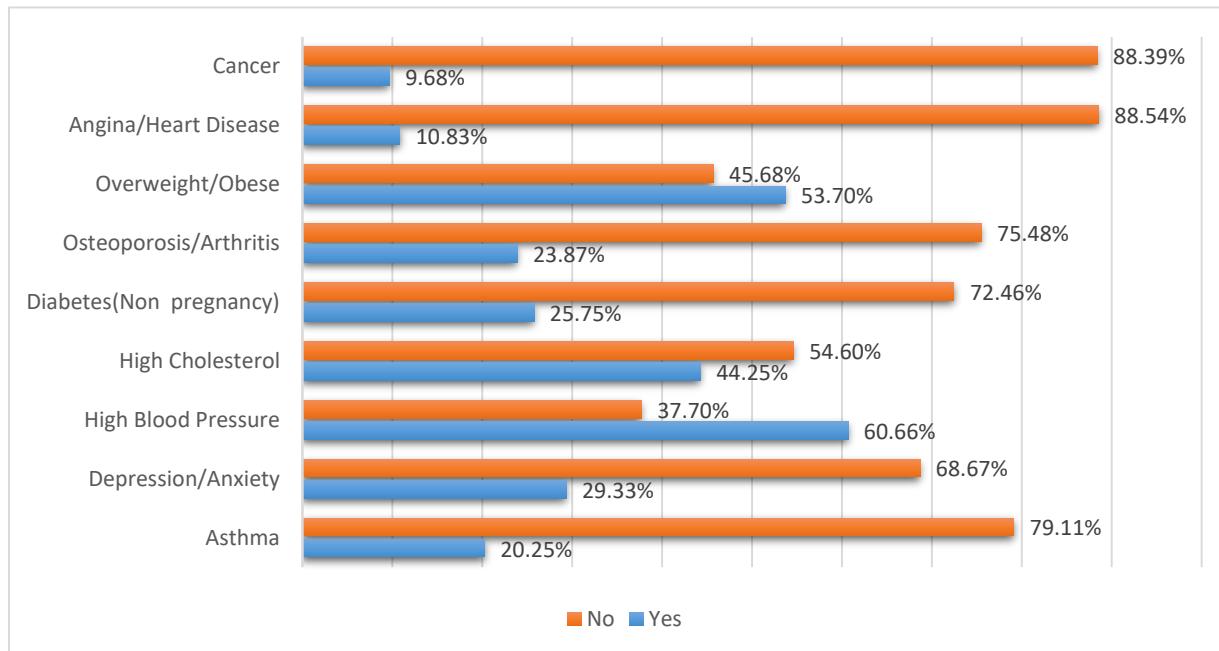
Would you say that in general your health is?



Source: Northampton County 2018 Community Health Opinion Survey

Almost half of Northampton's population at 45.54% say their health in general is good. Very good health is 22.28%, fair is 20.83%, excellent is 7.43% and poor is 0.99%.

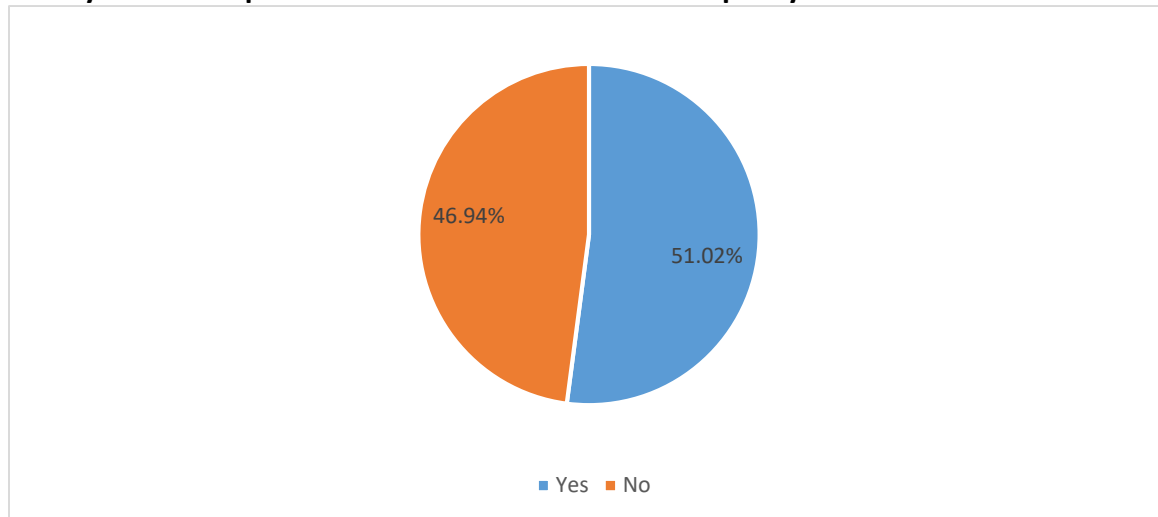
Have you ever been told by a health professional that you have any of the following health conditions?



Source: Northampton County 2018 Community Health Opinion Survey

The incidence of high blood pressure in Northampton County is 60.66%. Followed by the incidence of obesity at 53.70%, high cholesterol at 44.25% with depression at 29.33%.

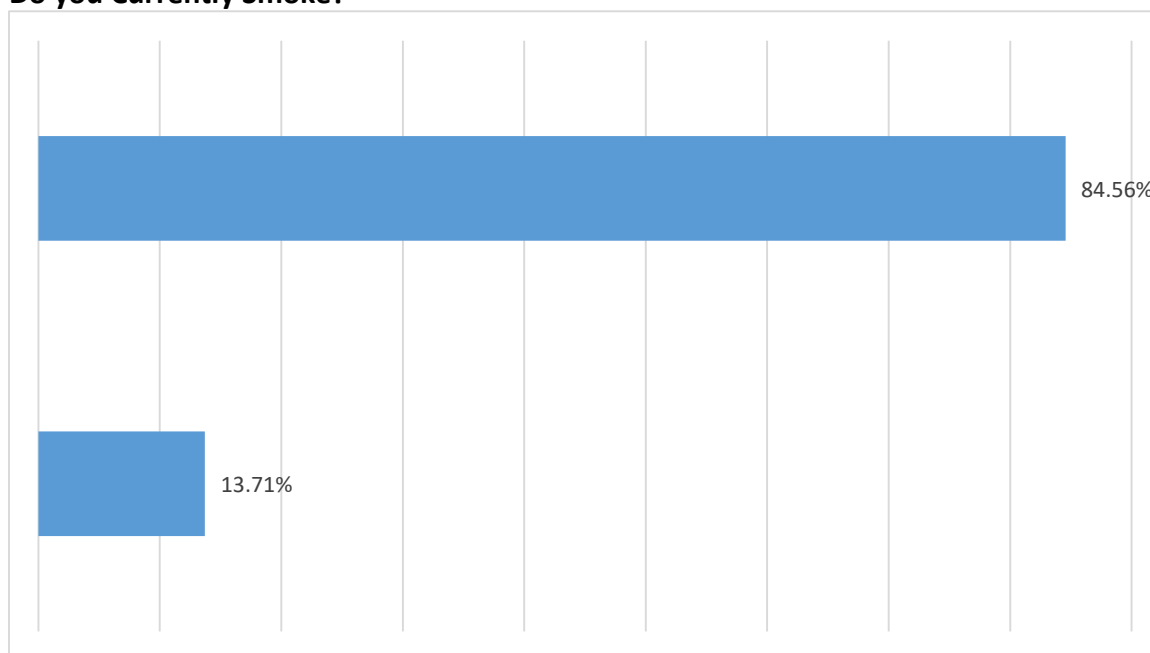
Have you been exposed to second hand smoke in the past year?



Source: Northampton County 2018 Community Health Opinion Survey.

Half of survey respondents (51.02%) indicated that they have been exposed to second hand smoke in the past 12 months.

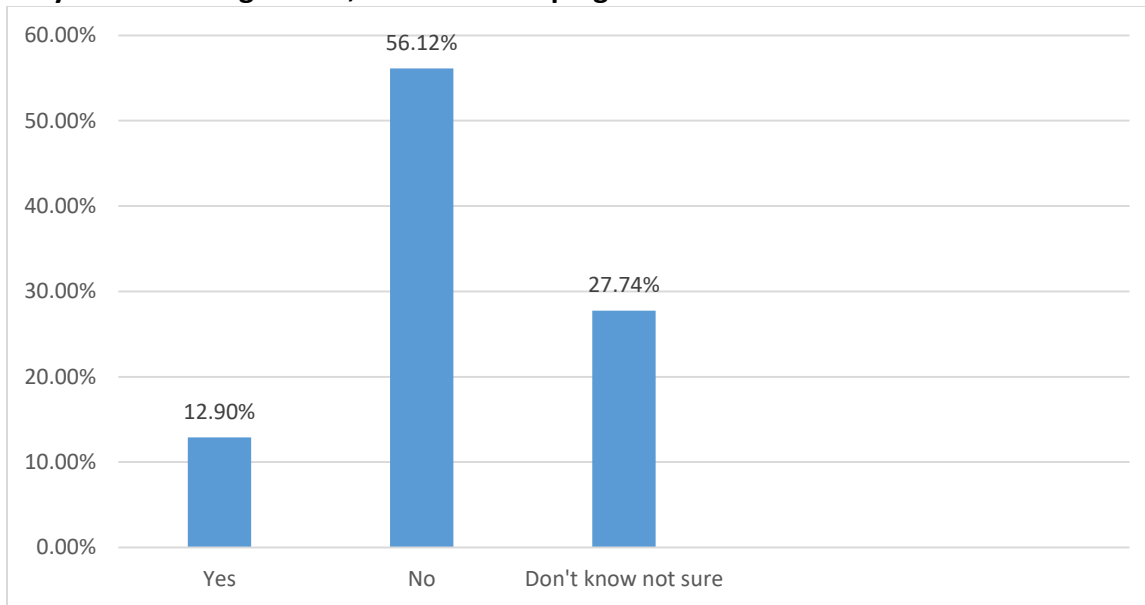
Do you Currently Smoke?



Source: Northampton County 2018 Community Health Opinion Survey

The current level of smokers in Northampton County is 13.1% of its population. Secondhand smoke exposure occurs in 42.72% of households in Northampton County.

Do you think e- cigarettes; hookahs or vaping is safer than tobacco?

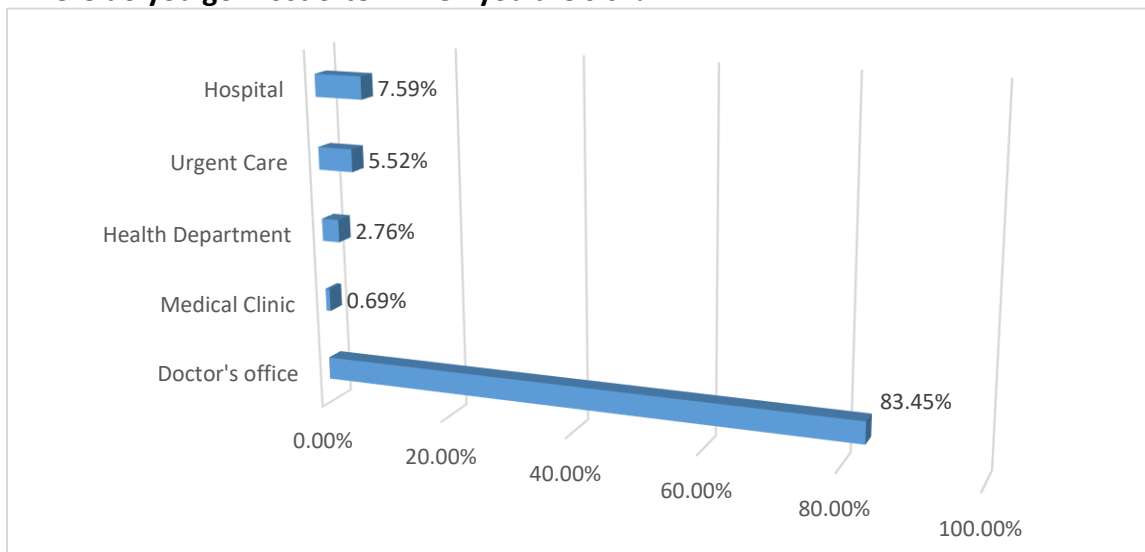


Source: Northampton County 2018 Community Health Opinion Survey

More than half (56.12%) of Northampton's population do not think e-cigarettes, hookahs or vaping is safer than tobacco.

Access to Care/Family Health

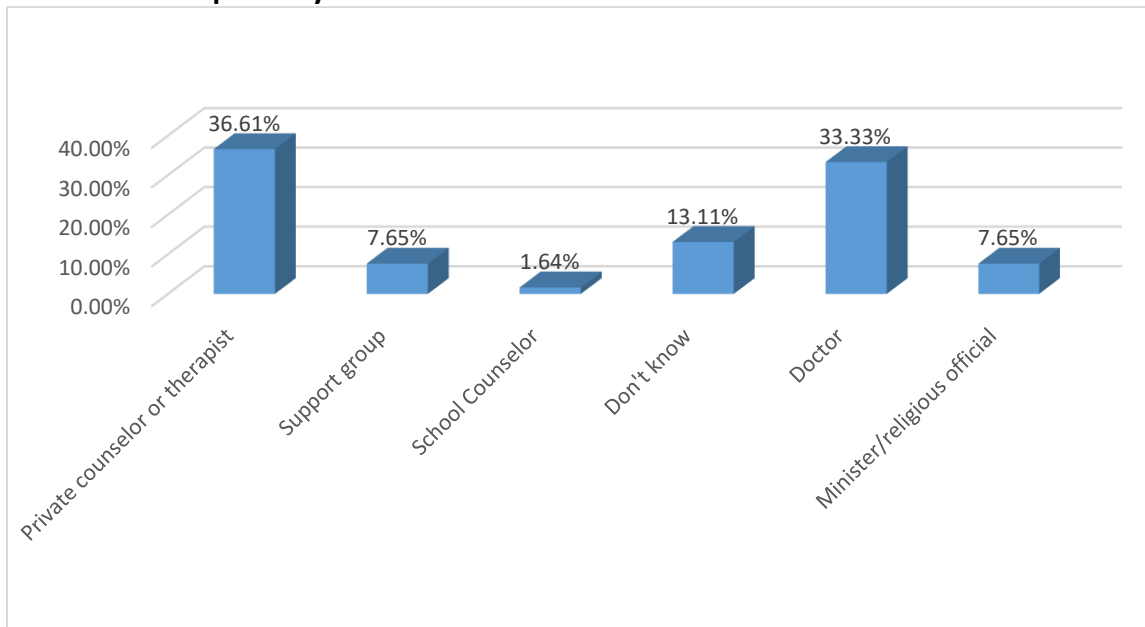
Where do you go most often when you are sick?



Source: Northampton County 2018 Community Health Opinion Survey

More than half of Northampton's population (83.45%) go to a doctor's office when they are sick.

If a family or friend needed counseling for a mental health or a drug/alcohol abuse problem who is the first person you would tell them to talk to?

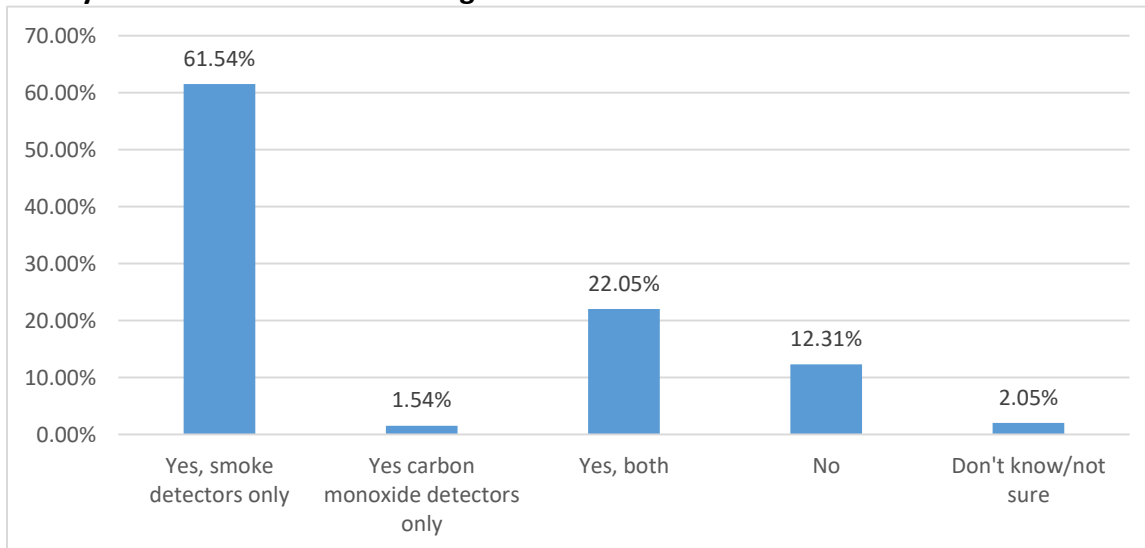


Source: Northampton County 2018 Community Health Opinion Survey

In Northampton's population 36.61% would refer friend/family to a private counselor or therapist for mental health or drug/alcohol abuse problems.

Emergency Preparedness

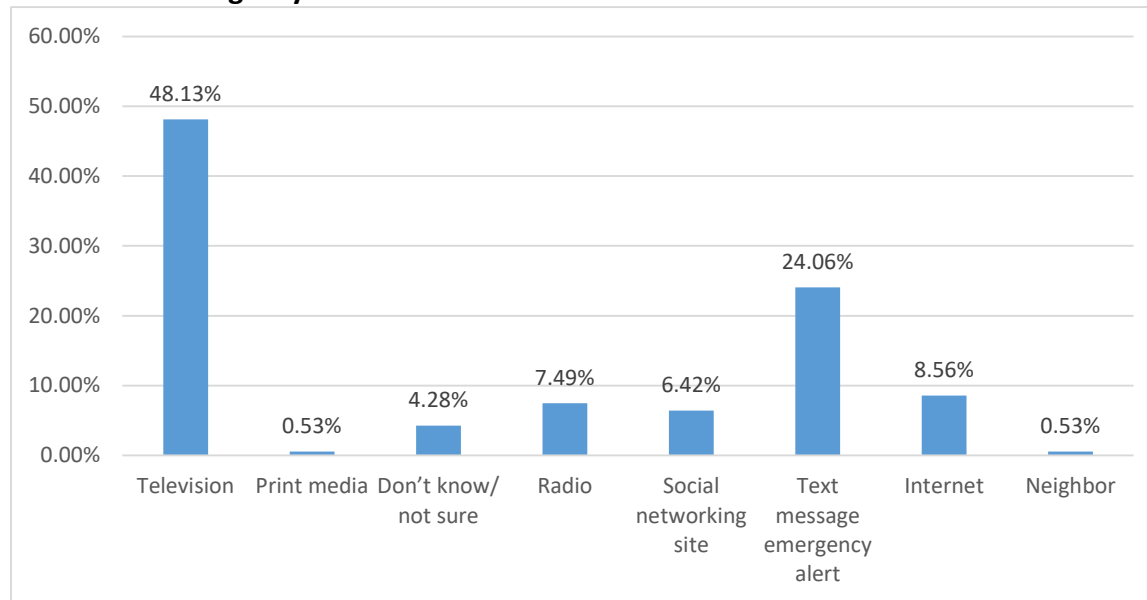
Does your household have working smoke and carbon monoxide detectors?



Source: Northampton County 2018 Community Health Opinion Survey

In Northampton's household 61.54% have smoke detectors with 22.05% having both smoke detector and carbon monoxide detectors.

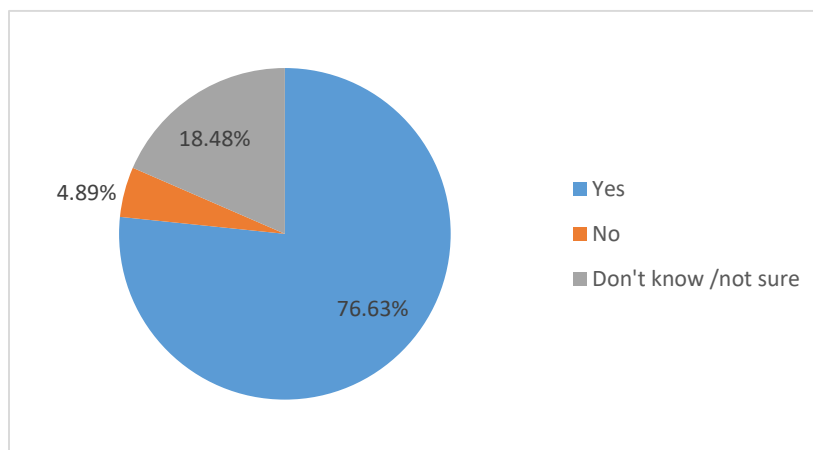
What would be your main way of getting information from authorities in a large-scale disaster or emergency?



Source: Northampton County 2018 Community Health Opinion Survey

Television is the main way for authorities to get information to Northampton's citizens in a large scale emergency. Text message emergency is second at 24.06%

If public authorities announced a mandatory evacuation from your neighborhood or community due to a large scale disaster or emergency would you evacuate?

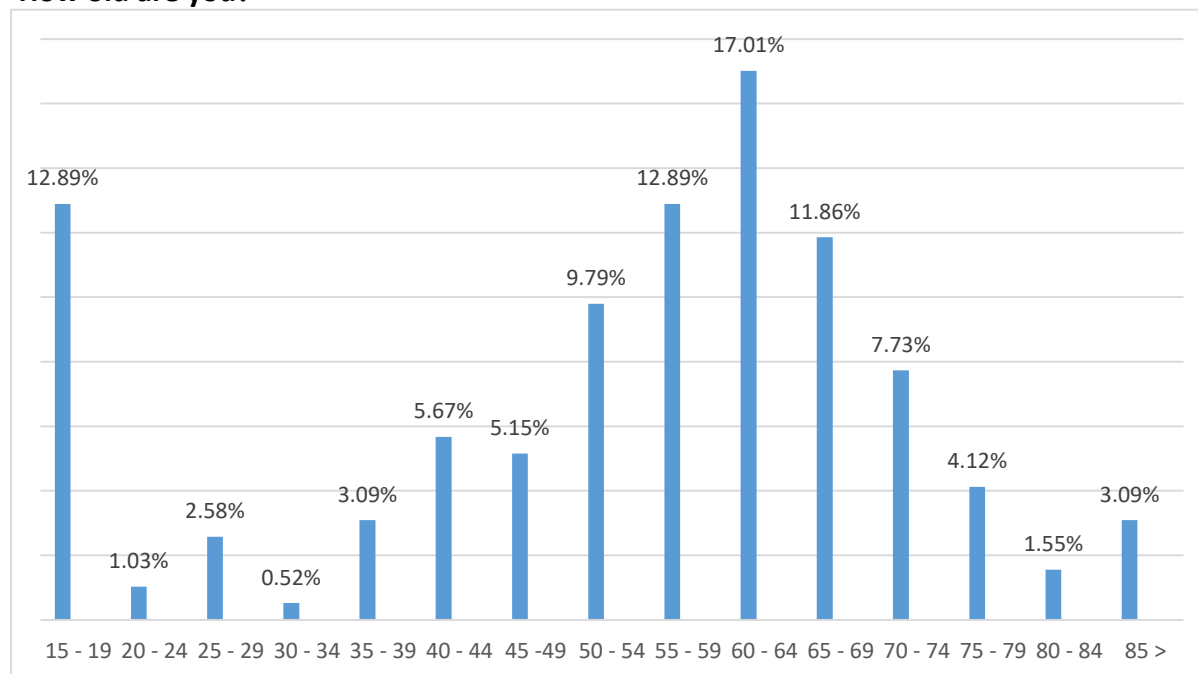


Source: Northampton County 2018 Community Health Opinion Survey

In a large scale emergency 76.53% of residents would evacuate their community or neighborhood.

Demographic Profile

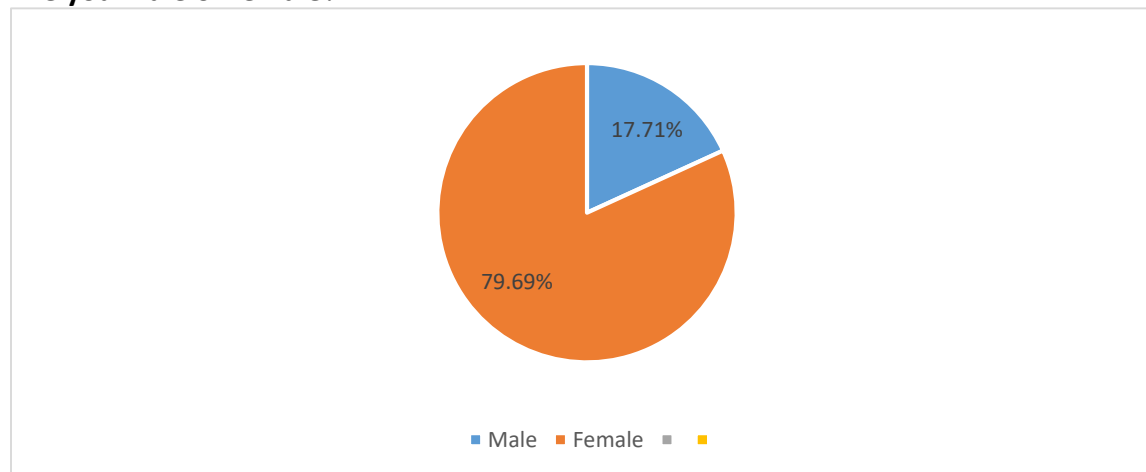
How old are you?



Source: Northampton County 2018 Community Health Opinion Survey

The most respondents to the survey came from citizens ages 60 – 64 years. Their response rate is 17.01%. The second highest respondents were ages 55 – 59 at 12.89% and ages 15 – 19 at 12.89%.

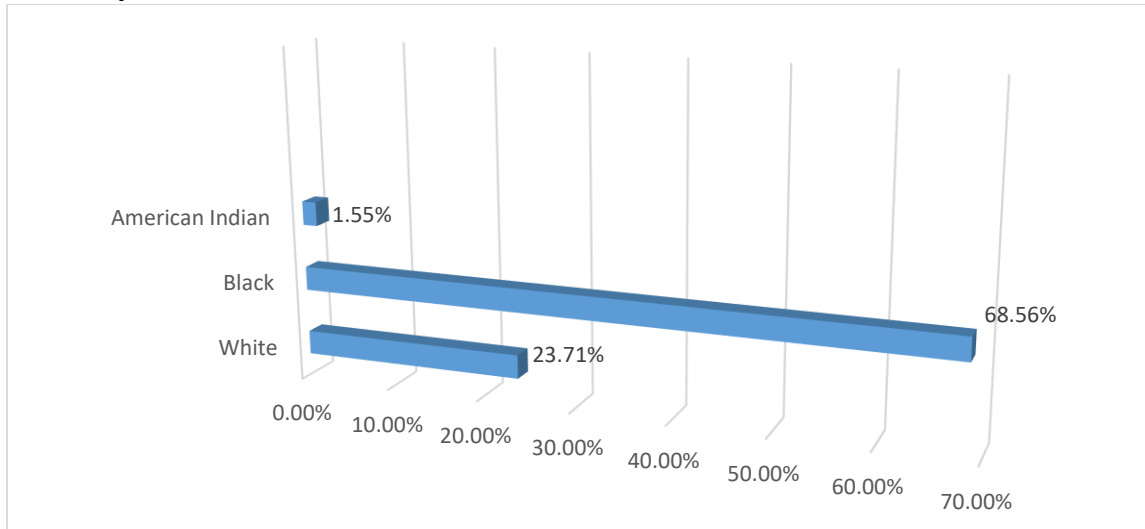
Are you male or female?



Source: Northampton County 2018 Community Health Opinion Survey

The female population represents 79.69% of responses to the survey and males are 17.71% of respondents.

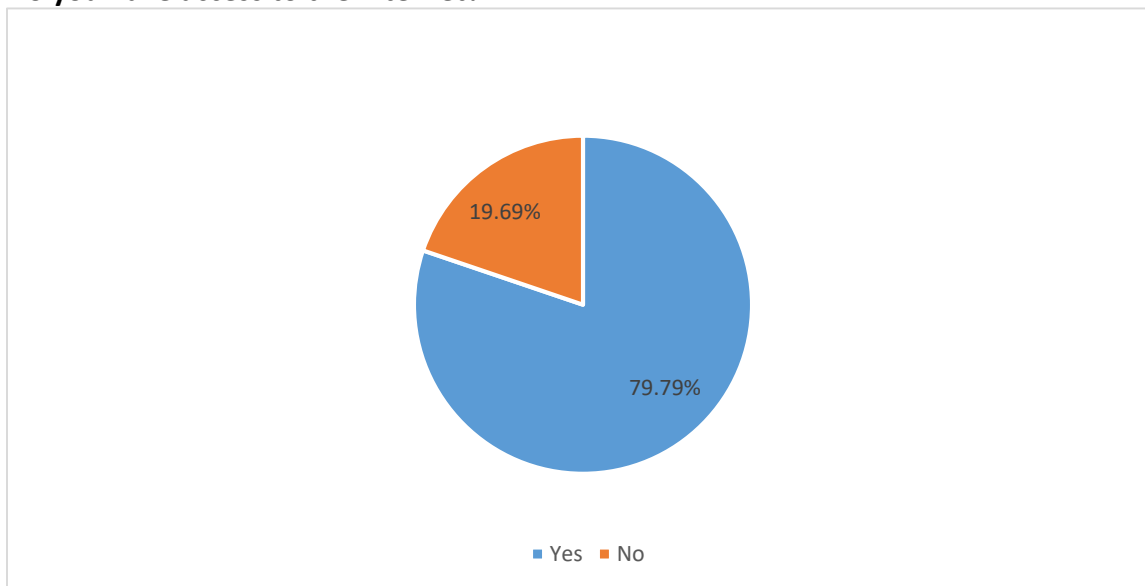
What is your race?



Source: Northampton County 2018 Community Health Opinion Survey

African American/Blacks response rate to the survey was 68.56%. Whites/Caucasians response rate is 23.71% and American Indian was 1.55%.

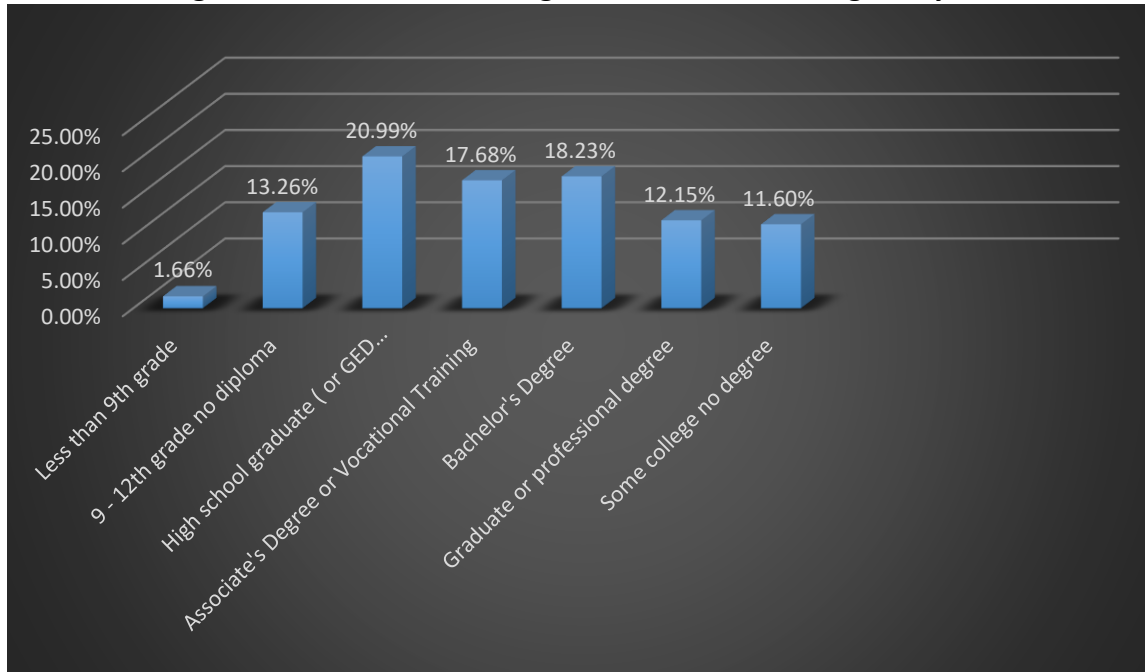
Do you have access to the internet?



Source: Northampton County 2018 Community Health Opinion Survey

Responses to internet access was 79.79% with internet and 19.69% indicating no internet access.

What is the highest level of school, college or vocational training that you have finished?



Northampton County 2018 Community Health Opinion Survey

The education level to survey respondents indicate 20.99% of Northampton's citizens have a high school diploma or GED. Those with an Associate's Degree or Vocational Training is 17.66% and Bachelor's Degree is 18.23%.

Appendix B – Secondary Data 1.1d

Sources: North Carolina State Center for Health Statistics
United States Census



Downtown Rich Square



Downtown Woodland

Demographic Profile 1.1j

Northampton County and Surrounding Counties Population Estimates, July 1, 2018

Population	Northampton	Bertie	Hertford	Halifax
Population Estimates April 1, 2010	22,101	21,280	24,671	54,634
Population Estimates July 1, 2017	19,862	19,224	23,906	51,310
Population Percent Change July 1, 2017	-10.1%	-9.7%	-3.1%	-6.1%
High School graduate or higher persons age 25 years 2013 - 2017	78.1%	76.1%	80.0%	76.9%
Persons with a disability, under age 65 years, 2013 - 2017	16.4%	13.9%	14.4%	15.0%
Persons without health insurance, under age 65 years	12.0%	12.8%	11.7%	13.7%
Median house hold income 2017 in dollars	33,508	31,287	35,806	33,573
Persons in poverty	24.3%	27.2%	24.4%	28.1%
Persons 65 years and over	25.2%	21.8%	19.2%	20.1%
Female Persons	51.4%	49.8%	50.8%	51.9%
Black or African American	57.7%	61.4%	60.7%	57.7%
Household with Internet	52.8%	52.0%	56.8%	56.3%

Source: United States Census Bureau Quick Facts

The population in Northampton County and surrounding counties have decreased since the 2000 Census with Northampton having the greatest decrease of 10.1%, followed by Bertie County at 9.7%, Halifax at 6.1% and Hertford at 3.1%. African Americans are the largest population in each county with Bertie have 61.4% population, Hertford is 60.17%, Northampton County is 57.7% and Halifax is 53.5%. Northampton County is second in percentage of high school graduates at 78.1% Hertford is first at 80.0%, Halifax is 76.9% and Bertie is 76.1%. Halifax has the highest percentage of citizens without health insurance at 13.7%, Bertie is 12.8%, Northampton is 12.0% and Hertford is 11.7%. Persons living in poverty is greater than the state level by more than 10% for each county. The poverty level for the state of North Carolina is

14.7%. Northampton's level 24.3%, Bertie is 27.2%, Hertford is 24.4% and Halifax being the highest of the counties at 28.1

Leading Causes of Death in North Carolina 2017 Northampton County
Race – All Gender – Both
Hispanic Origin: All (Hispanic, Non-Hispanic and Unknown
Age 0 – 99)

Rank	Cause	Number	%
1	Diseases of the heart	57	22.4
2	Cancer	47	18.4
3	Cerebrovascular diseases	19	7.5
4	Chronic lower respiratory diseases	17	6.7
5	Diabetes mellitus	12	4.7
6	All other unintentional injuries	10	3.9
	Alzheimer's disease	10	3.9
8	Motor vehicles injuries	6	2.4
9	Essential (primary) hypertension and hypertensive renal disease	5	2.0
	Influenza and pneumonia	5	2.0

Source: North Carolina State Center for Health Statistics County Health Data Book

Leading Causes of Death in North Carolina 2017 North Carolina
Race – All Gender – Both
Hispanic Origin: All (Hispanic, Non-Hispanic and Unknown
Age 0 – 99)

Rank	Cause	Number	%
1	Cancer	19,474	20.9
2	Diseases of the heart	18,840	20.1
3	Chronic lower respiratory diseases	5,545	5.9
4	Cerebrovascular diseases	5,100	5.5
5	All other unintentional injuries	4,526	4.9
6	Alzheimer's disease	4,291	4.6
7	Diabetes mellitus	2,908	3.1
8	Influenza and pneumonia	2,079	2.2
9	Nephritis, nephrotic syndrome and nephritis	2,014	2.2
10	Intentional self – harm (suicide)	1,527	1.6

Source: North Carolina State Center for Health Statistics County Health Data Book

In 2017 Diseases of the Heart is the Leading Causes of Death in Northampton County at a rate of 22.4%, with Cancer being the Second Leading Cause of Death at 18.4%. For the State of North Carolina, the Leading Cause of Death for the same time period is Cancer at 20.9% and

Disease of the Heart at 20.2% is the second Leading Cause of Death. Respectively during the same time period, Diseases of the Heart are ranked first for Northampton County and Second for State. Northampton's rate for heart disease is 2.2% greater than the state rate.

Unadjusted Death Rates Per 100,000 Population 2017 and 2013 – 2017

Residence	2017 Deaths Number	2017 Deaths Rate	2013 – 2017 Deaths Number	2013- 2017 Deaths Rate
North Carolina	93,202	907.2	441,359	878.1
Northampton	255	1,293.9	1,342	1,314.0

Source: North Carolina State Center for Health Statistics County Health Data Book

The unadjusted deaths rate for Northampton County in 2017 is greater than the state rate by 386.7%. From 2013 – 2017 Northampton's rate is greater than the state by 462.9%.

2017 North Carolina Infant Mortality Report, Table 3b

Infant Mortality Racial Disparities Between White Non- Hispanics and African American Non-Hispanics 2013 – 2017

Residence	Non-Hispanic White Infant Deaths	Non-Hispanic White Rate	Non-Hispanic African American Infant Deaths	Non-Hispanic African American Rate	Disparity Rates
North Carolina	1,757	5.3	1,830	12.7	2.40
Northampton	1	3.6	8	13.6	3.78

Source: North Carolina State Center for Health Statistics County Health Data Book

Infant Mortality for Non-Hispanic African Americans Infants is greater than Non-Hispanic White Infants by 10.0%. African American Infants in Northampton County have a greater rate of Health Disparity than the State by 1.38%. Health Disparity is the difference in health status between two or more groups of people as results of differences in their socioeconomic status.

UNADJUSTED CHILD DEATH RATES PER 100,000 POPULATION, 2013-2017

BASED ON COUNTY OF RESIDENCE FOR CHILDREN 0-17

County	Deaths 0 - 17	Pop. 0 - 17	Death Rate 0 - 17
North Carolina	6,623	11,451,612	57.8
Northampton	21	18,929	110.9

Source: North Carolina State Center for Health Statistics County Health Data Book

The unadjusted death rate for Northampton County is 110.9 for children 0 – 17. Northampton's Rate is 53.1% greater than the state rate of 57.8%.

2012 – 2016 Cancer Mortality Rates by County for Selected Sites
Per 100,000 Population
Age – Adjusted to The US 2000 Census

	Colon/Rectum		Lung/Bronchus		Female Breast		Prostate		All Cancers	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
North Carolina	7,804	13.8	27,600	47.6	6,563	20.8	4,410	20.3	95,163	166.0
Northampton	23	13.5	92	54.1	23	28.1	15	22.3	301	178.9

Source: North Carolina State Center for Health Statistics County Health Data Book

The four cancers with the highest mortality rate for the state are Colon/Rectum, Lung/Bronchus, Female Breast and Prostate. In Northampton the rate of Colon/Rectum Cancer is less than the state rate by 0.3%. For Lung/Bronchus Northampton's rate is greater than the state by 6.5%, Female Breast Northampton's rate is 7.8% greater than the state. The rate for Prostate Cancer is greater than the state by 2.0%.

Projected New Cancer Cases and Deaths for Selected Sites by County, 2018
Produced by the North Carolina Central Cancer Registry, 12/2017

Projected New Case						Projected Deaths				
County	Total	Lung Bronchus	Female Breast	Prostate	Colon/ Rectum	Total	Lung/ Bronchus	Female Breast	Prostate	Colon/Rectum
North Carolina	60,958	9,064	10,625	7,545	4,697	21,169	6,176	1,429	1,008	1,713
Northampton	152	24	26	18	12	57	71	17	12	20

Source: North Carolina State Center for Health Statistics County Health Data Book

Breast Cancer leads the Projected New Cases of Cancer for Northampton County and the state in 2017. Lung/Bronchus leads in the projected new deaths due to cancer for the same time period.

2011 – 2015 Cancer Incidence Rates by County for Selected Sites
Per 100,000 Population
Age-Adjusted to The 2000 US Census

	Colon/Rectum		Lung/Bronchus		Female Breast		Prostate		All	
County	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
North Carolina	20,883	37.5	39,370	69.3	48,011	160.2	32,915	120.9	270,416	481.4
Northampton	77	47.0	118	68.7	133	158.0	108	137.5	756	459.9

Source: North Carolina State Center for Health Statistics County Health Data Book

Female Breast Cancer is at a lower rate for Northampton County from 2011 – 2015 by 2.0%. For Lung/Bronchus Cancer Northampton County is lower than the state by 0.6%. Northampton has rates greater than the state for Colon/Rectum by 9.5% and is greater than the state for Prostate Cancer by 16.6% from 2011 – 2015.

**Number and Percent of NC Resident Births Where Mother Smoked During Pregnancy
2011 – 2017**

Residence	Number	Percent
North Carolina	56,610	9.4
Northampton	117	12.8

Source: North Carolina State Center for Health Statistics County Health Data Book

From 2011 – 2017 Mothers who smoked during pregnancy in Northampton County was greater than the state rate by 3.4%.

2017 BRASS Survey Results: Eastern North Carolina

Current Smoker

		No		Yes	
Residence	Total Responded	Number	%	Number	%
North Carolina	4,737	3,972	82.8	765	17.2
Eastern North Carolina	1,894	1,562	78.1	332	21.9

Source: North Carolina State Center for Health Statistics Behavior Risk Factor Surveillance System

In Eastern North Carolina 21.9% of residents currently smoke. For the state the rate is 17.2%. The rates of smokers in Eastern North Carolina is greater than the state rate by 4.7%.

2017 BRASS Survey Results: Eastern North Carolina

Has a health professional ever told you that you have Diabetes?

		Yes		No	
Residence	Total Responded	Number	%	Number	%
North Carolina	4,902	658	11.3	4,115	86.1%
Eastern North Carolina	1,950	314	13.8	1,573	83.2

Source: North Carolina State Center for Health Statistics Behavior Risk Factor Surveillance System

In Eastern North Carolina 13.8% of the population has been told that they have diabetes. In North Carolina the rate is 11.3%. Eastern North Carolina has more diabetics than the state by 2.5%.

**2017 BRASS Survey Results: Eastern North Carolina
Adults who have a Body Mass Index greater than 25.00 (Overweight or Obese)**

		No		Yes	
Residence	Total Responded	Number	%	Number	%
North Carolina	4,480	1,438	33.1	3,042	66.9
Eastern North Carolina	1,807	522	32.9	1,285	67.1

North Carolina State Center for Health Statistics Behavior Risk Factor Surveillance System

In 2017 Adults in Eastern North Carolina had a body mass index great than the state by 0.2%.

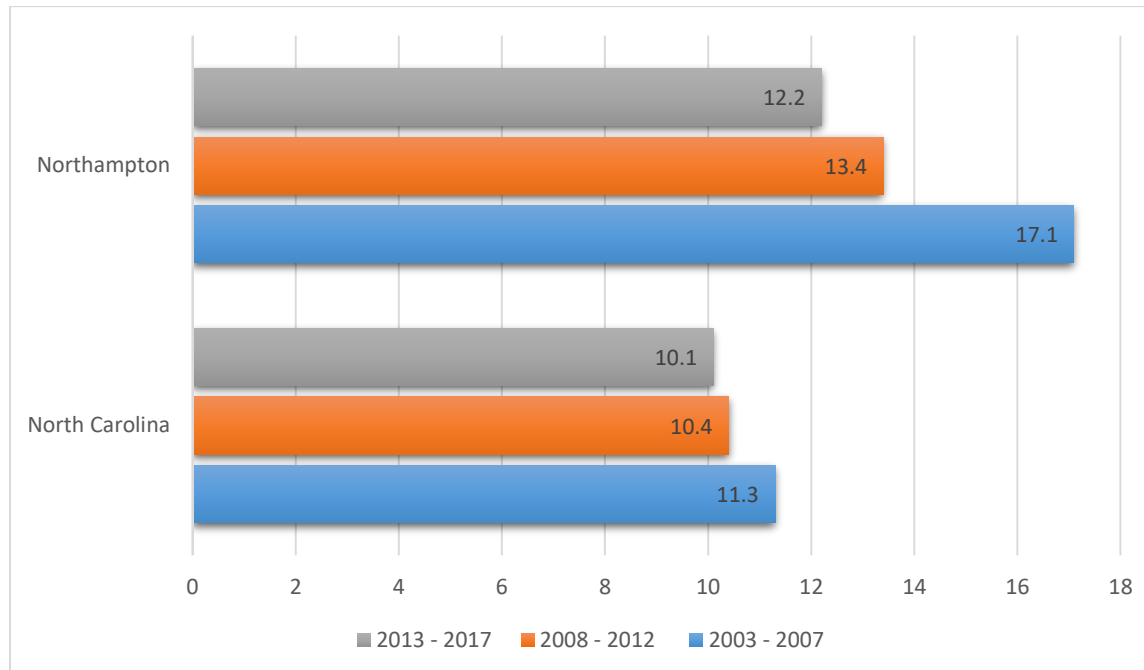
Appendix C – 1.1d Trend Data

Source: North Carolina Department of Health and Human Services.



**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**

Percentage of Resident Live Births That Were Premature (<37 Weeks Gestation)

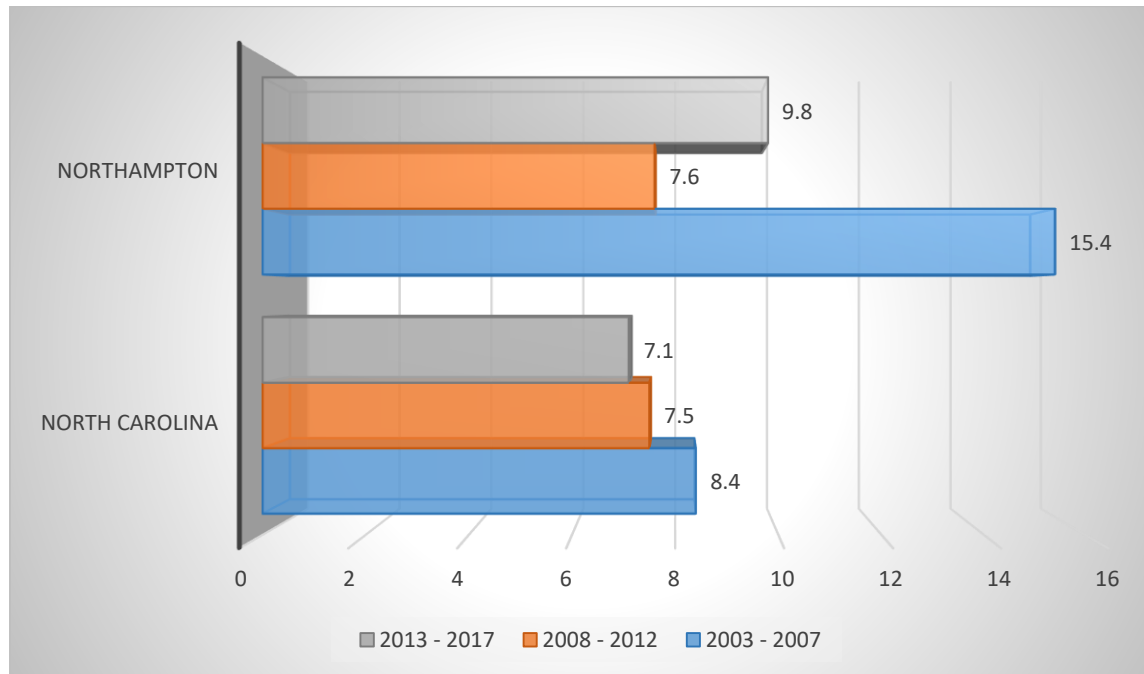


Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

Northampton County and the state have seen a decrease in premature live births (<37 weeks' gestation) since 2003 – 2007.

**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**

Teen Births (Ages 15 – 19) Per 1,000 Female Residents

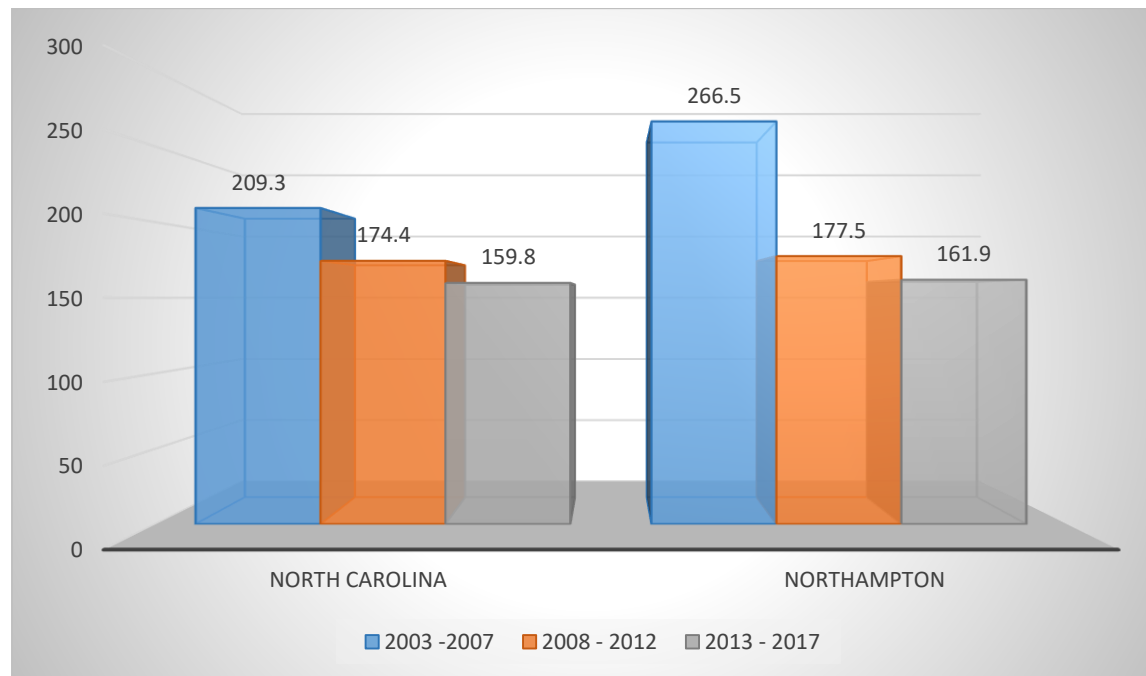


Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

Teen births, ages 15 - 19 is greater in Northampton County than the state for 2003 – 2007 by 7.0%, 2008 – 2012 by 0.2%, 2013 – 2017 by 1.4%.

**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**

Age Adjusted Heart Disease Death Rates per 100,000 Residents

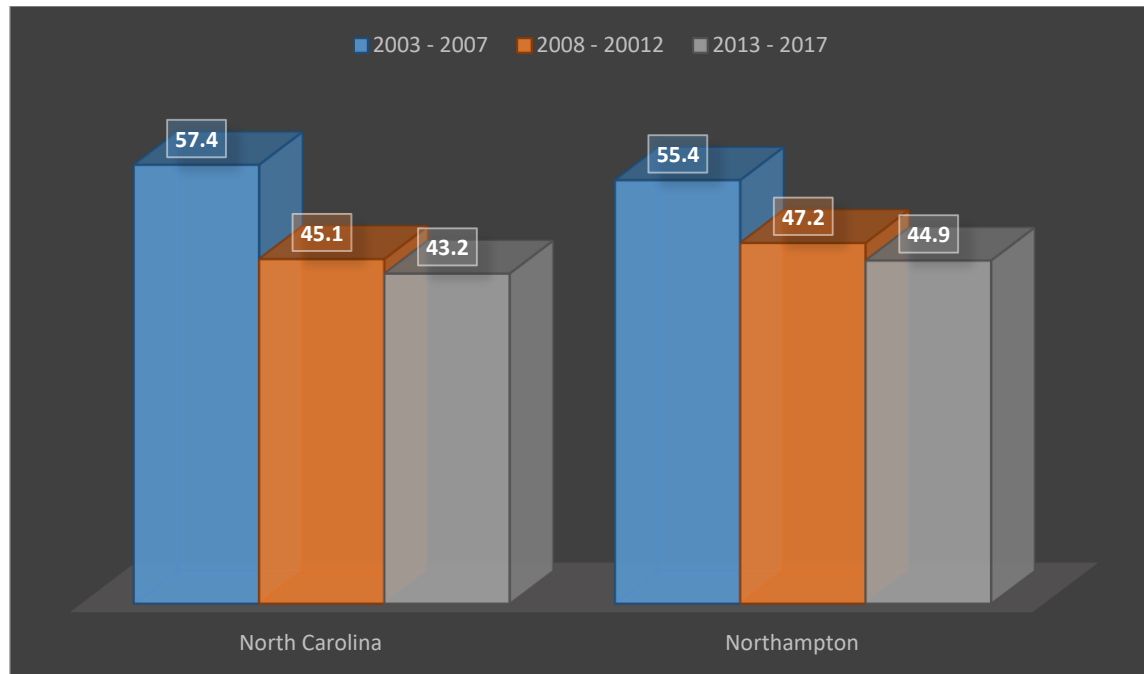


Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

The trend rate of Heart Disease in Northampton County has decreased since 2003 – 2007, but the rate is still higher than the state for 2013 – 2017 by 2.1%.

**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**

Age Adjusted Stroke Death Rates per 100,000 Residents

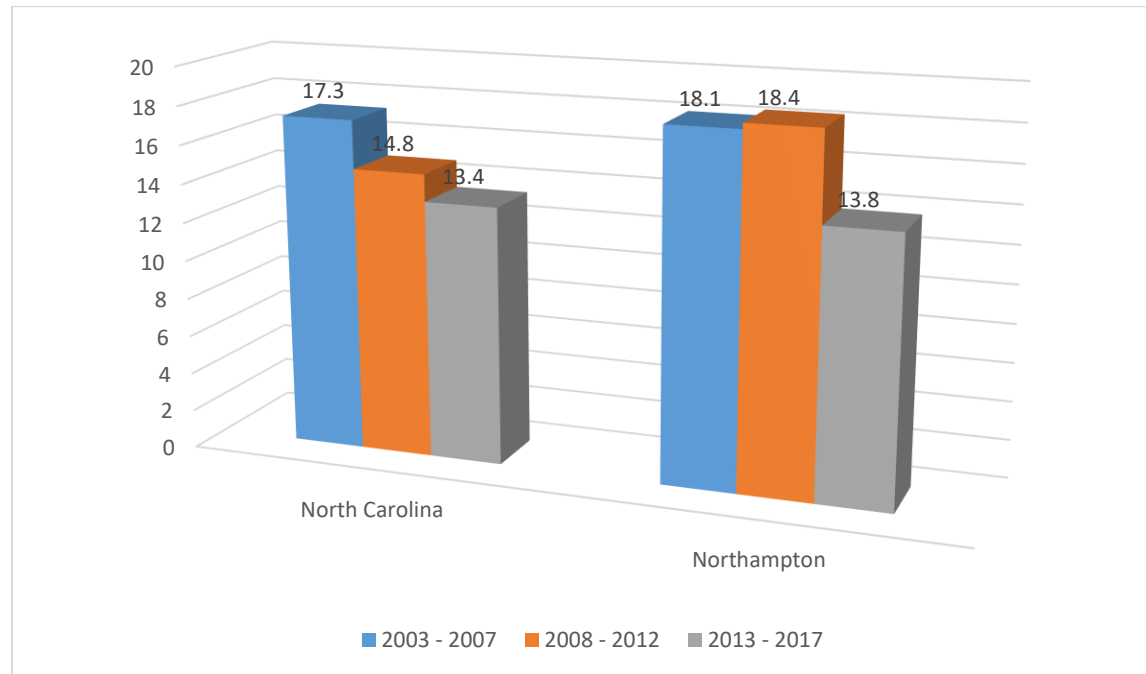


Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

Northampton County has a higher rate of stroke than the state for years 2013 – 2017 and 2008 – 2012. From 2013 – 2017 the rate for Northampton is greater than the state rate by 1.7%. In 2008 – 2012 Northampton rate is greater than the state by 2.1%. The state rate was greater than Northampton's rate by 2.00% in 2003 – 2007.

**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**

**Age Adjusted Colorectal Cancer Death Rates per
100,000 Residents (Healthy NC 2020 Target = 10.1)**

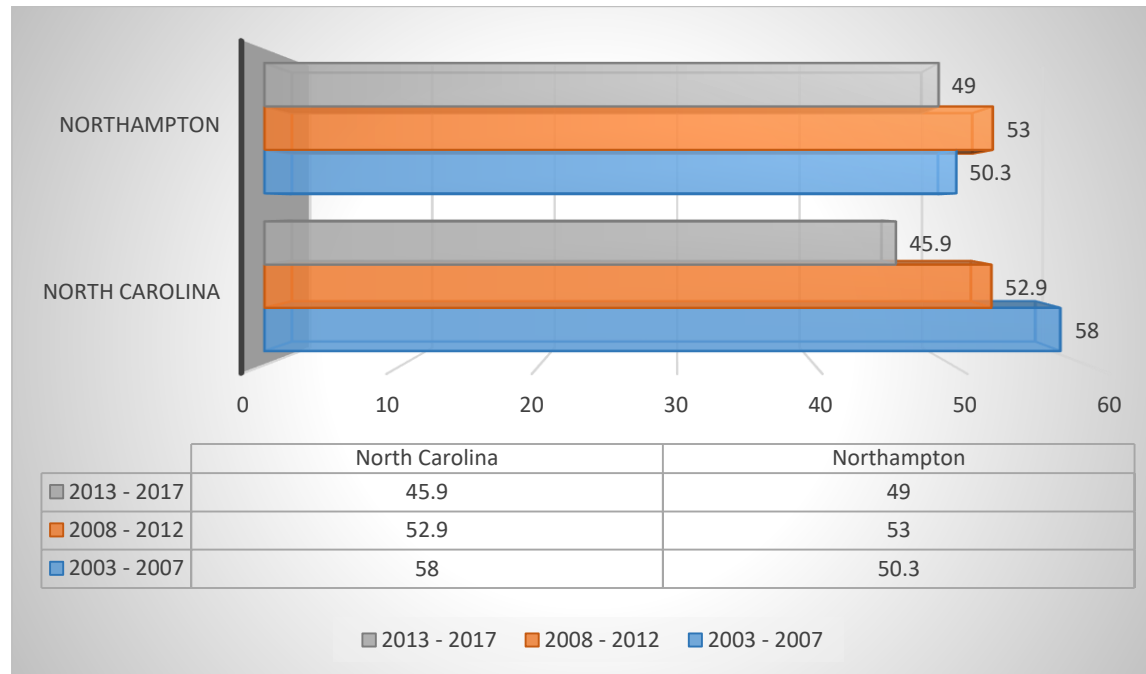


Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

The trend rate for Colorectal Cancer decreased for the state and Northampton County in 2013 – 2017.

**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**

**Age Adjusted Trachea Bronchus, & Lung
Cancer Death Rates per 100,000 Residents**

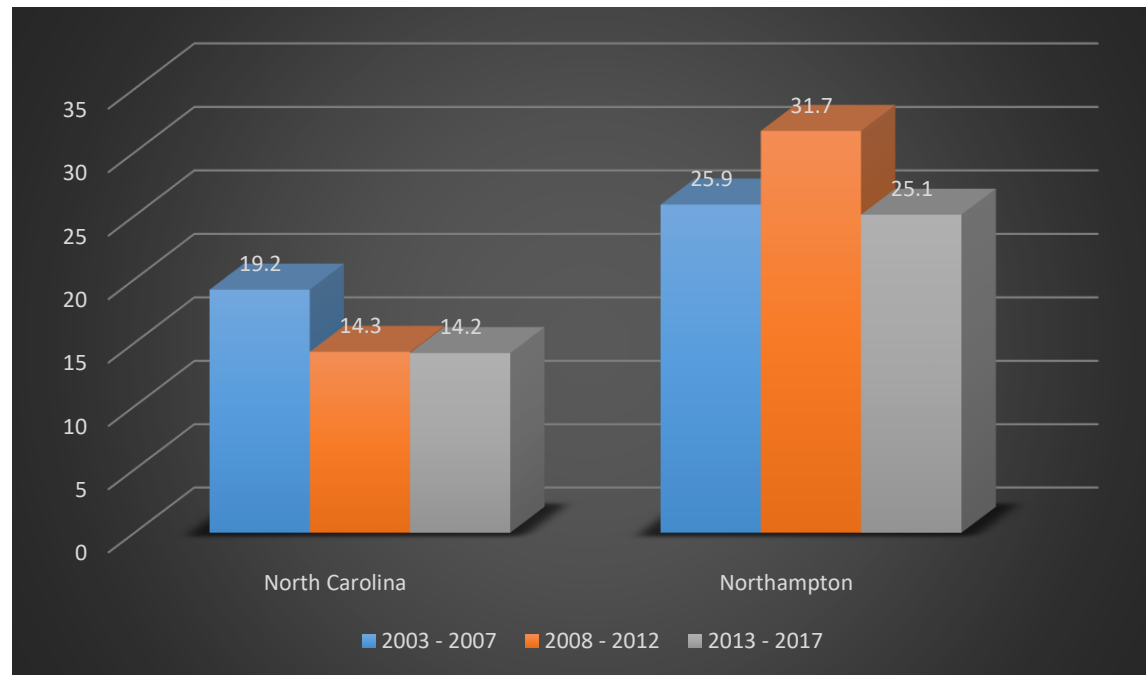


Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

The trend rate of Trachea Bronchus and Lung Cancer is greater in Northampton County than the state for 2013 – 2017 3.1%, by 0.1% in 2008 – 2012 and lower than the state from 2003 – 2007 by 7.7%.

**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**

Age No table of figures entries found. **Adjusted Unintentional Motor Vehicle Injury Death Rates
Per 100,000 Residents**

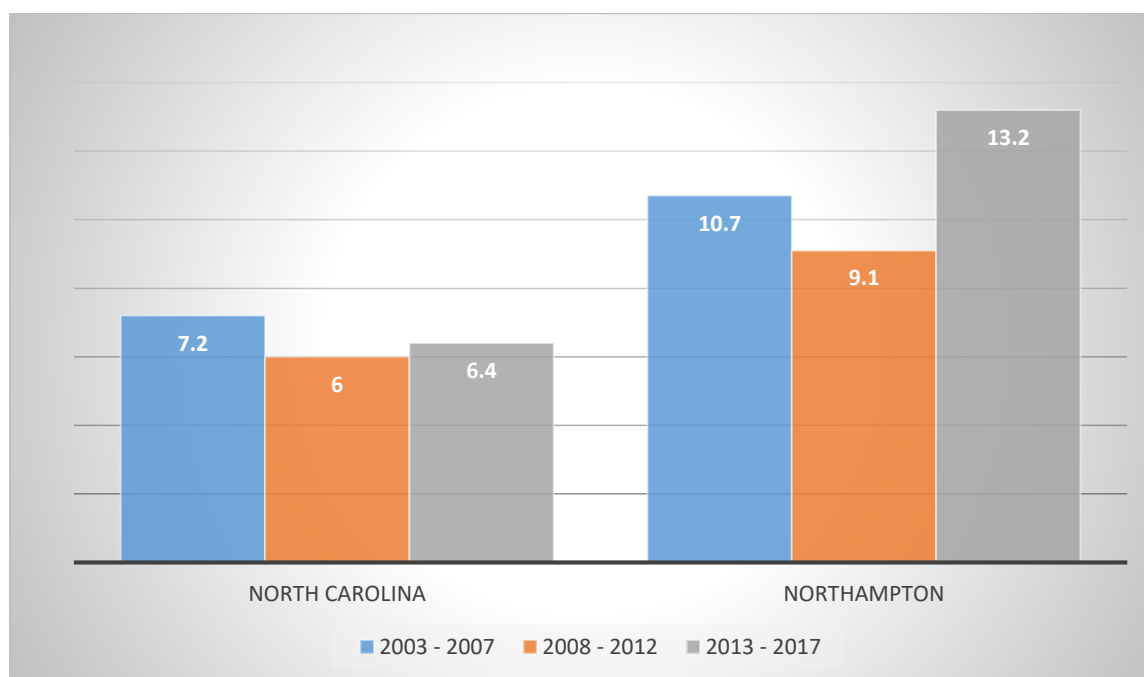


Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

The Trend rate for Age Adjusted Motor Vehicle Injury Deaths in Northampton County is greater than the state rate for 2003 – 2007 by 6.7%., From 2008 -2012 Northampton is greater than the state rate 17.4%. In 2013 – 2017 Northampton County is greater than the state by 10.9%.

**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**

Age – Adjusted Homicide Rates per 100,000 Residents (Healthy NC 2020 Target =6.7)

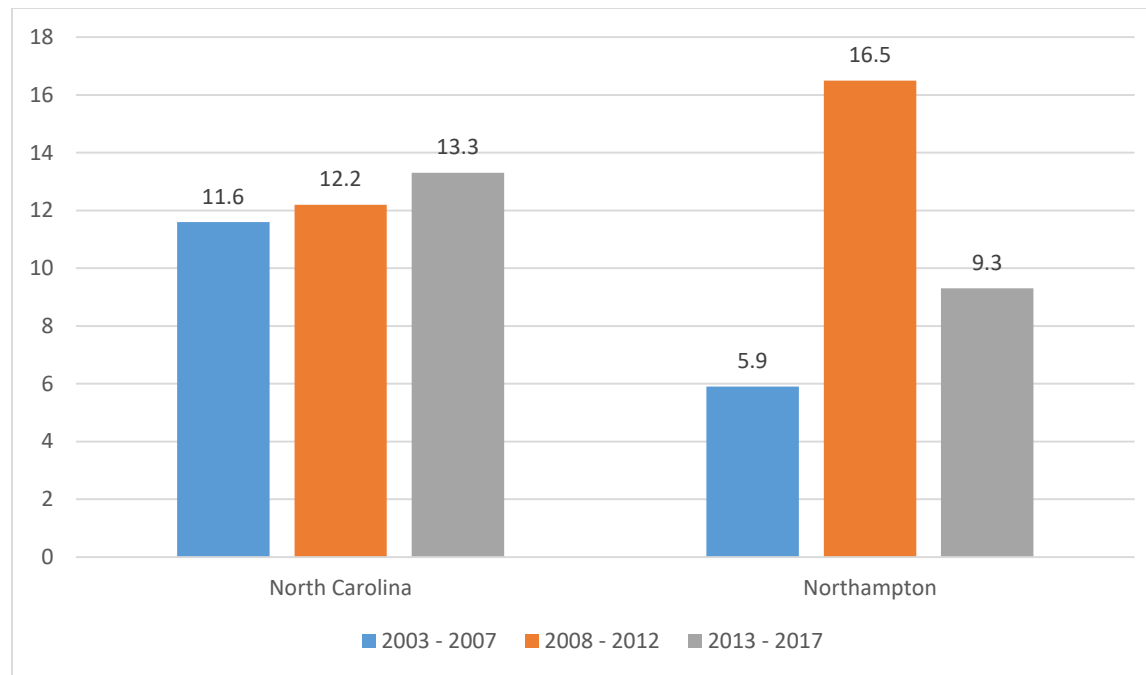


Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

The Healthy North Carolina 2020 Target rate for Homicide is 6.7%. Northampton County's rate for 2003 – 2007 was 10.7%, 2008 - 2012 Northampton Homicide rate was 9.1, and from 2013 – 2017 Northampton rate was 13.2. Northampton County exceeds the states rate in each cycle while state's rate has been below the target since 2007.

**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**

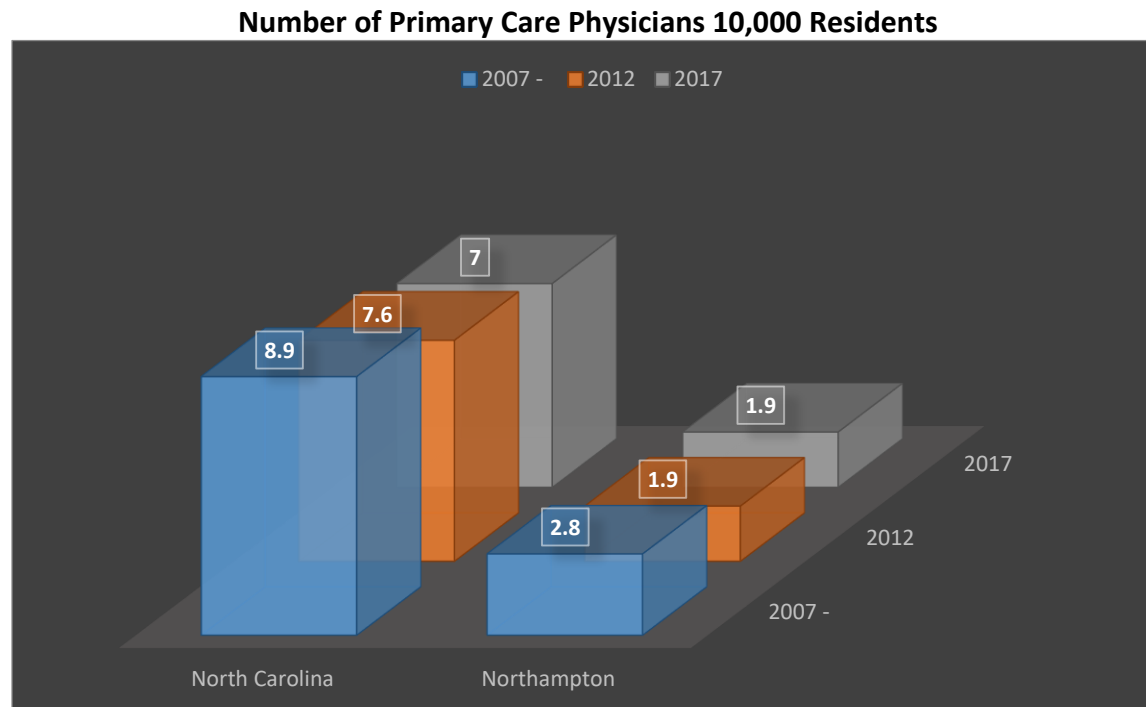
Age Adjusted Suicide Rates per 100,000 Residents (Healthy NC 2020 Target =8.3)



Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

The Healthy NC 2020 Target for Age Adjusted suicides is 8.3%. Northampton County was below the target in 2003 – 2007 by 2.4%. the state exceeded the target by 3.3% in 2003 – 2007. The rate has increased for Northampton and the state for 2008 – 2012. Northampton increased by 8.2%, the state by 3.9%. In 2013 – 2017 the rates increased by 5.0% for the state and 1.0% for Northampton County.

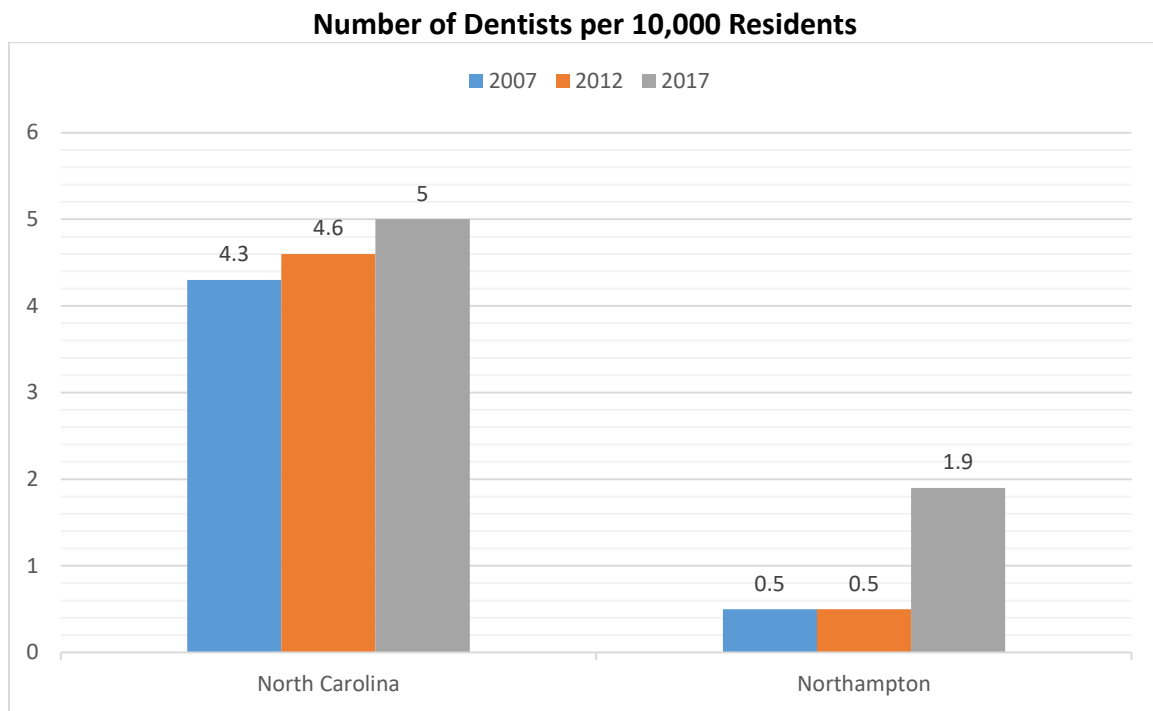
**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**



Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

Trend data indicates the state had 8.9% primary providers per 10,000 residents in 2007. In 2012 the state had 7.6% primary providers, and 7.0% in 2017. Northampton County had 2.8% primary providers per 10,000 residents in 2007. In 2012 Northampton had 1.9% primary providers and in 2017 1.9%. Since 2007 the state has seen a decrease in primary providers by 1.9% and Northampton has seen a decrease by 0.1%.

**North Carolina Statewide and County Trends in Key Health Indicators:
Northampton County February 2019**



Source: North Carolina Department of Health and Human Services Division of Public Health/State Center for Health Statistics

From 2007 to 2017 the number of dentists in Northampton County increased by 1.4%. For the same time period the number of dentists for the state increased by 0.7%.